



D-1083

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: **08/889,033**)
In re Application of) Art Unit 2621
 Frazzitta, et al.)
Confirmation No.: **2912**) Patent Examiner
Filed: **July 7, 1997**) Tung Vo
Title: **Transaction System**)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

DECLARATION PURSUANT TO 37 C.F.R. § 1.132

I, Patrick C. Green, hereby declare as follows:

1. I am a former employee of Diebold, Incorporated and/or InterBold, a wholly owned subsidiary of Diebold, Incorporated (collectively referred to hereafter as "Diebold"). I was employed by Diebold as an engineer and engineering manager in the development of transaction systems and associated hardware and software for those systems. I retired from Diebold in 2007. I began working in the transaction system industry in approximately 1974. I am familiar with the aspects of conducting transactions using systems that include a service provider station and a customer station with regard to functionality and operation.
2. It is my understanding that the present application was filed July 7, 1997.
3. Based on my knowledge and experience, a person having ordinary skill in the art of conducting transactions using systems that include a service provider station and a customer station at the time of July 7, 1997 (hereinafter a "person having ordinary skill in the art") would have had a four-year college degree in engineering, such as mechanical or electrical engineering, and would have had at least four years of experience in designing systems for conducting transactions using a service provider station and a customer station (or equivalent years of working experience in the design of such transaction systems).
4. I have reviewed the product literature in the attached four-page document titled "1072ix Through The Wall Walk-Up Unit With ix Safe and Polymer Fascia" (File No. 177-385 Rev. 3).

5. The product literature was distributed by Diebold. The product literature was publically available at the time of July 7, 1997.
6. The product literature provides details for mounting a through-the-wall ATM. The product literature shows how through-the-wall ATMs were supported at the time of July 7, 1997.
7. The person having ordinary skill in the art would understand that in a through-the-wall type of ATM is supported by a floor. The person having ordinary skill in the art would not have attempted using a (cosmetic) wall to support the weight of a through-the-wall type of ATM. The person having ordinary skill in the art would recognize that the product literature provides evidence against attempting to support a through-the-wall type of ATM by a wall.
8. I hereby declare that all statements herein of my own knowledge are true, that all statements made on information and belief are believed to be true, and that the statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both (18 U.S.C. § 1001), and may jeopardize the validity of the application or any patent issuing thereon.



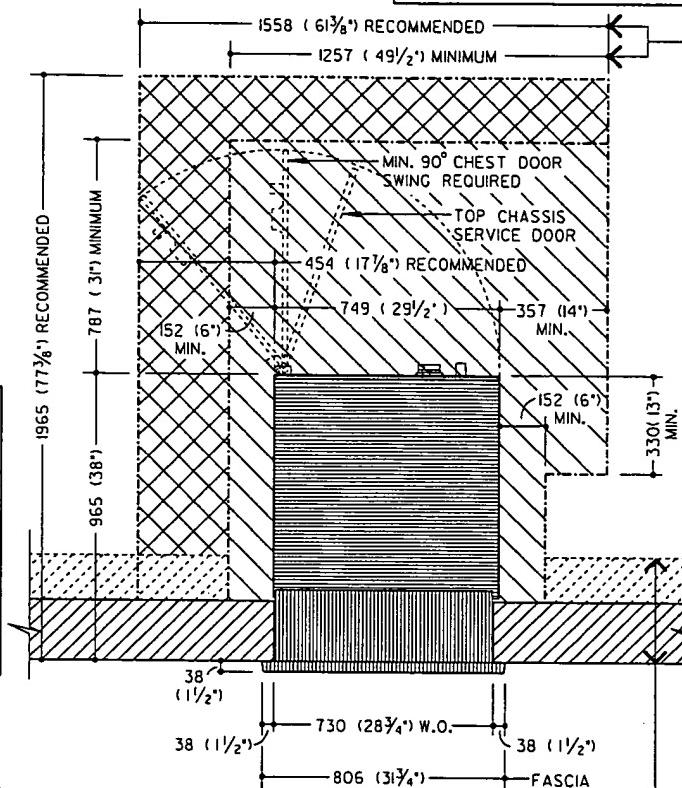
Patrick C. Green

February 25, 2010
Date

1072*ix* THROUGH THE WALL WALK-UP UNIT WITH *ix* SAFE AND POLYMER FASCIA

CALL 1-800-999-3600

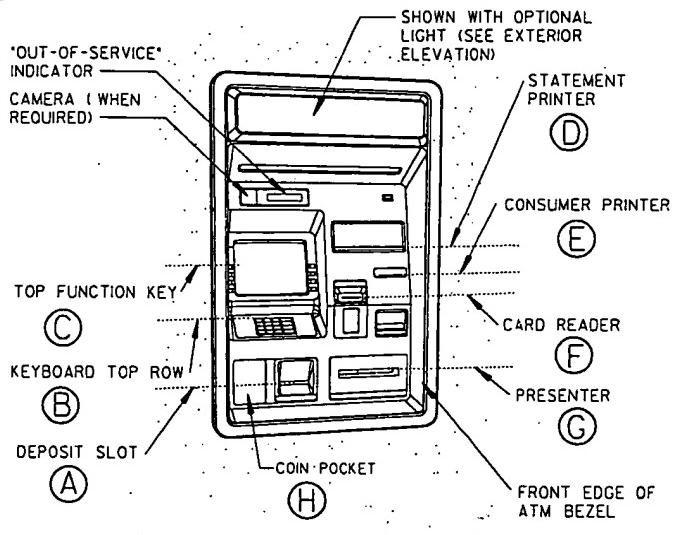
DIMENSIONS IN MILLIMETRES
(DIMENSIONS IN INCHES)



PLAN VIEW

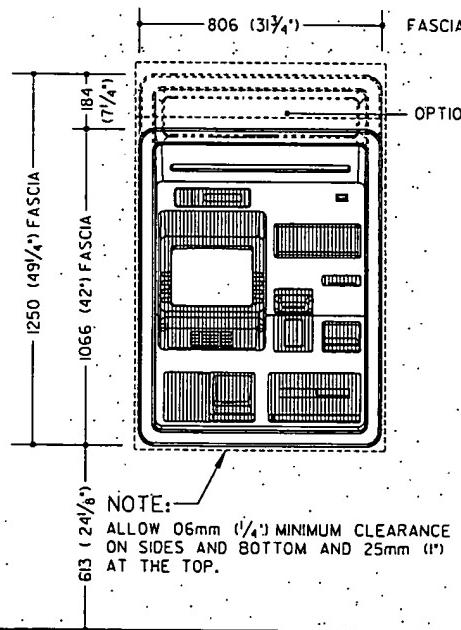
SHOWN IS THE MINIMUM/RECOMMENDED AREA REQUIRED FOR INSTALLATION AND SERVICE. THESE DIMENSIONS SHOWN MAY BE INCREASED WHEREVER POSSIBLE TO IMPROVE INSTALLATION AND SERVICE ACCESS. USE OF ANY AREA LESS THAN THE RECOMMENDED AREA MAY RESULT IN AN INCREASE IN INSTALLATION AND SERVICE TIME. CONSULT WITH DIEBOLD INSTALLATION/SERVICE BRANCH FOR SPECIAL BUILDING CONDITIONS.

- RECOMMENDED SERVICE AREA
- MINIMUM SERVICE AREA



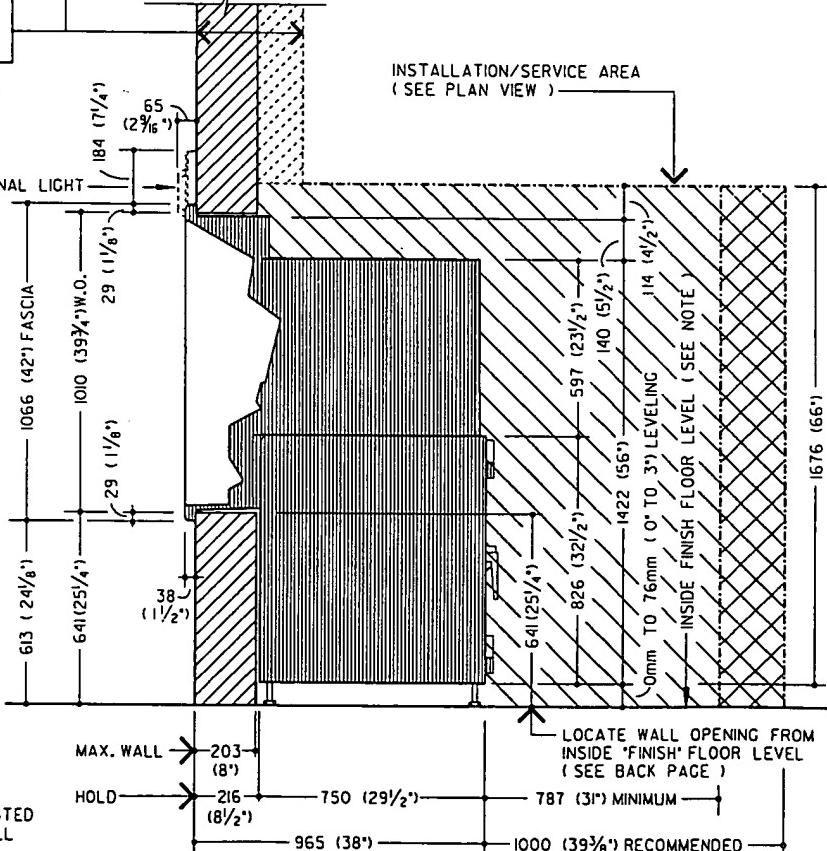
PERSPECTIVE

FOR WALLS OVER 203mm (8")
SEE BACK PAGE



NOTE:
INSIDE FLOOR LEVEL MUST BE THE SAME AS OUTSIDE
SIDEWALK LEVEL FOR OPTIMUM ACCESS. IF INSIDE
FLOOR IS HIGHER OR LOWER THAN OUTSIDE, DIMENSION
FOR LOCATING WALL OPENING WILL HAVE TO BE ADJUSTED
ACCORDINGLY AND OPTIMUM ACCESS REQUIREMENTS WILL
NOT BE MET.

EXTERIOR ELEVATION



VERTICAL SECTION

CONDUIT AND JUNCTION BOX REQUIREMENTS

- ① 25mm (1") METAL CONDUIT FROM ALARM CONTROL CABINET JUNCTION BOX TO 102mm(4") SO. X 54mm(2 1/8") DP. JUNCTION BOX (ALL BY E.C.) DIEBOLD TO PROVIDE FLAT COVER WITH TAMPER SWITCH.
 - ② WHEN "SECUROMATIC" AFTER HOUR DEPOSITORY IS TO BE CONNECTED TO ATM UNIT, E.C. TO RUN 19 mm (3/4") METAL CONDUIT FROM 102 mm (4") SO. X 54mm(2 1/8") DP. JUNCTION BOX TO AFTER HOUR DEPOSITORY.
 - ③ E.C. TO RUN 19 mm (3/4") LIQUID TIGHT FLEX METAL CONDUIT OR 19mm(3/4") RIGID CONDUIT FROM JUNCTION BOX TO CABLE CONNECTING PLATE.
 - ④ 19mm(3/4") METAL CONDUIT AND UNSWITCHED ELECTRICAL SUPPLY TO 102mm(4") SO. X 54mm(2 1/8") DP. JUNCTION BOX WITH RECEPTACLE WITHIN 2184mm (86') OF SIDE OR FRONT CONNECTING PLATE. BOTTOM CONNECTION MUST BE COMPENSATED ACCORDINGLY (ALL BY E.C.) SEE POWER REQUIREMENTS .
 - ⑤ E.C. TO SUPPLY COMPATIBLE RECEPTACLE FOR COUNTRY SPECIFIC PLUG-IN CONNECTOR SUPPLIED WITH UNIT. POWER CORD LENGTH 2184mm (86') FROM SIDE OF UNIT.
- FOR DESK TOP MODEMS - NO CONDUIT REQUIRED FOR DATA LINE CABLE. MODEM MUST BE INSTALLED WITHIN 1820mm (42'-0") CABLE RUN OF THE UNIT.
- DATA CABLE MUST BE AT LEAST 51mm (2') FROM ANY A.C. POWER CABLE.
- DESK TOP MODEMS MUST BE WITHIN 1828mm (6'-0") OF A STANDARD, SINGLE PHASE, THREE-WIRE OUTLET.

NOTE:

JUNCTION BOXES MUST BE LOCATED WITHIN 2184mm (86') OF CONNECTING PLATE. (LENGTH OF ELECTRICAL POWER CABLE PROVIDED WITH UNIT). LOCATE IN AN EASILY ACCESSIBLE AREA.

BOXES CAN BE FLUSH MOUNTED WITH CONCEALED CONDUIT FOR NEW CONSTRUCTION OR BOXES CAN BE SURFACE MOUNTED WITH EXPOSED CONDUIT FOR EXISTING CONSTRUCTION.

SPECIFICATIONS

PHYSICAL SECURITY

THE SECURITY SAFE MEETS THE BANK PROTECTION ACT 82 STAT 295, I2 USC 882, AND MEETS THE ATTACK TEST PER UL 291-15. THE SAFE DOOR HAS A POSITIVE RELOCKING FEATURE. THE SAFE DOOR IS CONTROLLED BY A GROUP 2 COMBINATION LOCK WITH OR WITHOUT KEYLOCKING DIAL CAPABILITY OR OPTIONAL ELECTRONIC LOCK.

ALARM PROTECTION

THE UL-LISTED SAFE IS EQUIPPED WITH A BASIC ALARM SENSOR PACKAGE. THE BASIC PACKAGE INCLUDES A SAFE DOOR OPEN SWITCH, ALARM SHUNTING SWITCH, AND RATE-OF-RISE HEAT SENSOR.

POWER REQUIREMENTS

THE ATM REQUIRES A SINGLE-PHASE THREE-WIRE UNSWITCHED POWER OUTLET. WIRING TO THE ATM MUST USE A THIRD-WIRE EARTH GROUND (CONDUIT GROUND IS NOT ACCEPTABLE). THE POWER SUPPLIED MUST BE AS SPECIFIED BELOW:

100-127 VAC (+6%,-10%) 50Hz (+/-1%) SINGLE PHASE
100-127 VAC (+6%,-10%) 60Hz (+/-1%) SINGLE PHASE
200-240 VAC (+/-10%) 50Hz (+/-1%) SINGLE PHASE
200-240 VAC (+/-10%) 60Hz (+/-1%) SINGLE PHASE

POWER TO THE ATM MAY BE A BRANCH OR DEDICATED SERVICE AND MUST BE PROTECTED BY A SAFETY QUICK-DISCONNECT DEVICE TO BREAK LINE VOLTAGE (SUCH AS A CIRCUIT BREAKER AT THE ELECTRICAL SERVICE PANEL). THE QUICK DISCONNECT DEVICE (OR CIRCUIT BREAKER) MUST TURN OFF THE LINE VOLTAGE AT THE AMPERAGE SPECIFIED BELOW.

100-127 VAC SERVICE, DISCONNECT AT 20 AMPERES
200-240 VAC SERVICE, DISCONNECT AT 10 AMPERES

INSTALLATIONS OUTSIDE THE U.S.A. MUST INCLUDE EARTH FAULT PROTECTION.

OTHER ELECTRONIC DEVICES SHARING POWER ON A COMMON BRANCH CIRCUIT MUST CONFORM TO THE SAME CONDUCTED INTERFERENCE STANDARDS AS THE ATM.

POWER USAGE FOR WALK-UP ATM

MACHINE STATUS	(1) STANDARD DEVICES	(2) COLOR MONITOR	(3) MAXIMUM DEVICES
IDLE (NO TRANSACTION)	195 WATTS	300 WATTS	850 WATTS
TRANSACTION (DISPENSE) IN PROGRESS	320 WATTS	425 WATTS	975 WATTS

(1) CTP OR HTP PROCESSOR, MONOCHROME MONITOR, MOTORIZED CARD READER, JOURNAL PRINTER, CONSUMER PRINTER, STANDARD DEPOSITER, AND FOUR-HIGH DISPENSER.

(2) SAME AS (1) ABOVE WITH 38I(15") COLOR MONITOR REPLACING 229 (9") MONOCHROME MONITOR.

(3) SAME AS (2) ABOVE WITH HEATER.

THE POWER USE DEPENDS ON THE NUMBER AND TYPE OF DEVICES PRESENT IN THE ATM, AND THE TYPE OF TRANSACTION THE ATM IS PERFORMING.

HEAT OUTPUT

3.327 BTU/HR MAX. WITH HEATERS (DISPENSE) - 1,024 BTU/HR WITHOUT HEATERS (IDLE)

OPERATING ENVIRONMENT

SAFE LOCATION 10° C TO 38° C (50° F TO 100° F)

RELATIVE HUMIDITY (NON-CONDENSING)

20 TO 80% AT 32° C (90° F)

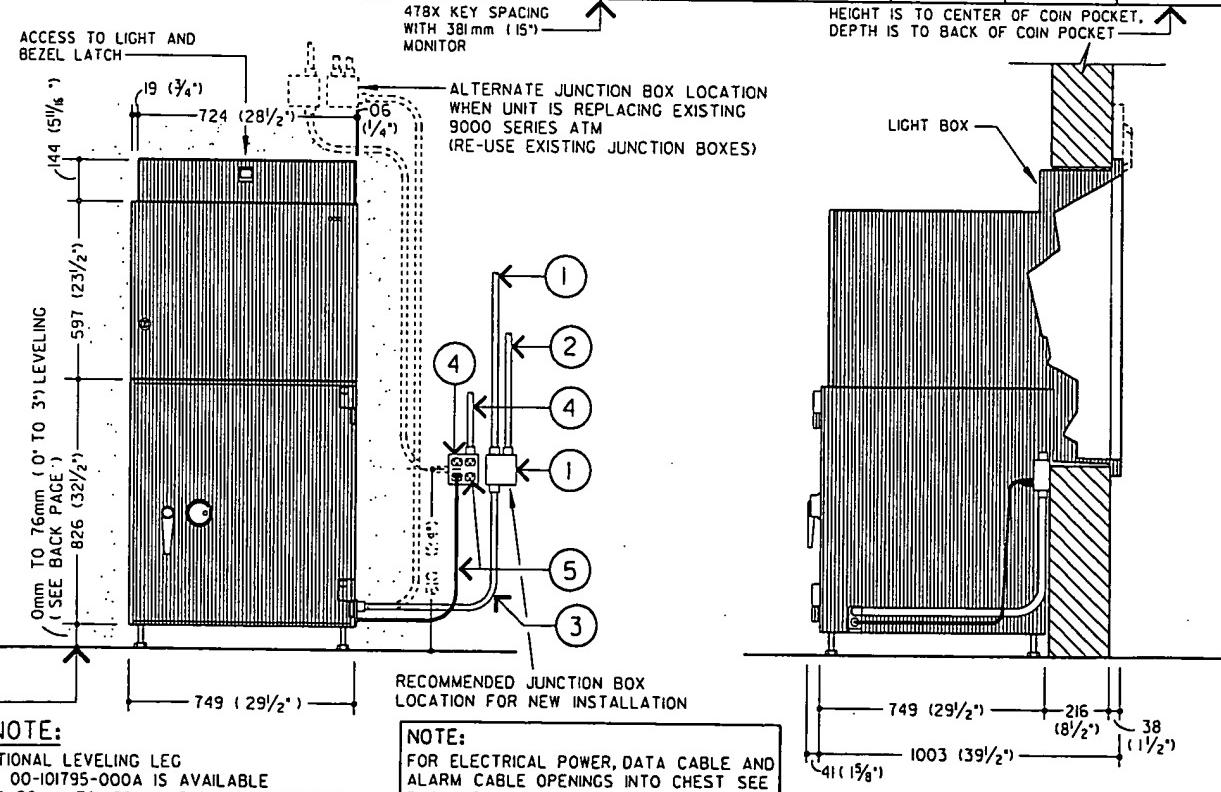
20 TO 55% AT 38° C (100° F)

FASCIA LOCATION -34° C TO 54° C (-30° F TO 130° F)

WEIGHT OF UNIT 680 kg (1,500 LBS.)

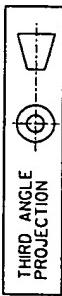
RELATIVE HUMIDITY IS TO 100%

	DEPOSIT SLOT (A)	CONSUMER KEYBOARD TOP ROW (B)	TOP FUNCTION KEY (C)	STATEMENT PRINTER (D)	CONSUMER PRINTER (E)	CARD READER (F)	PRESENTER (G)	COIN POCKET (H)
HEIGHT FROM BOTTOM OF SAFE (WITHOUT LEVELING LEGS)	681 (26 1/16")	909 (35 1/16")	1095 (43 1/8")	1189 (46 1/16")	1080 (42 1/2")	1000 (39 3/8")	711 (28 ")	709 (27 1/8")
DEPTH FROM FRONT EDGE OF ATM BEZEL (WITH STANDARD WALL COLLAR)	197 (7 3/4")	244 (9 5/8")	289 (11 1/8")	184 (7 1/4")	165 (6 1/2")	162 (6 3/8")	143 (5 5/8")	221 (8 1/16")



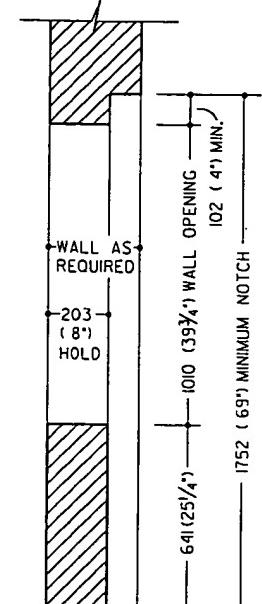
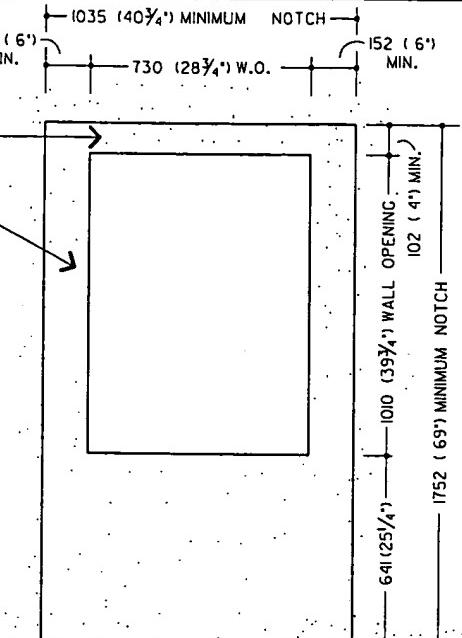
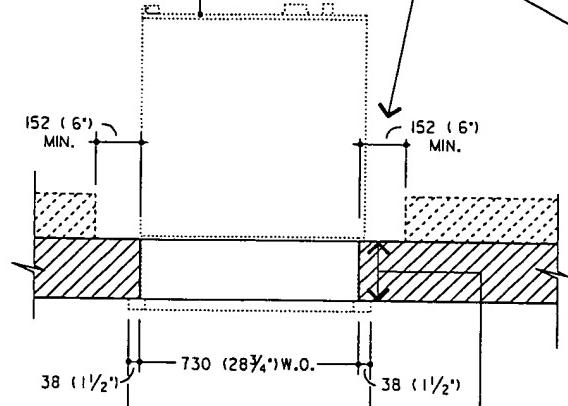
CALL 1-800-999-3600

DIMENSIONS IN MILLIMETERS
(DIMENSIONS IN INCHES)

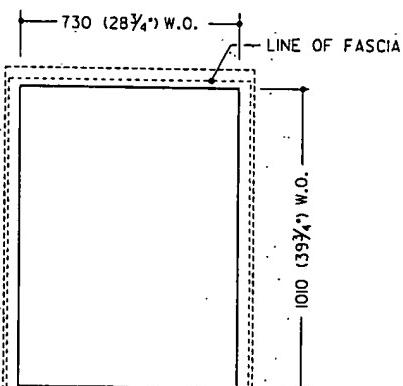


*ALL DIMENSIONS AND DESIGN CRITERIA
SUBJECT TO CHANGE WITHOUT NOTICE.

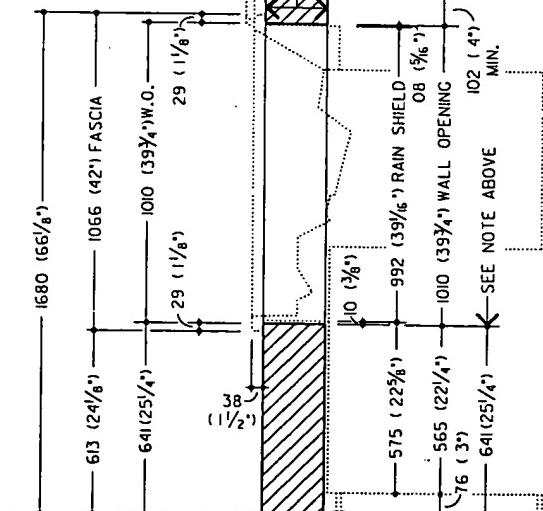
SEE FRONT PAGE FOR
DETAILS OF UNIT



203mm (8") MAX. WALL THICKNESS IN AREA OF UNIT



NOTE:
ALLOW 06mm (1/4") MINIMUM CLEARANCE ON SIDES AND BOTTOM AND 25mm (1") AT THE TOP.



0mm TO 76mm (0" TO 3") LEVELING
INSIDE FINISH FLOOR LEVEL (SEE NOTE)

NOTE:
INSIDE FLOOR LEVEL MUST BE THE SAME AS OUTSIDE SIDEWALK LEVEL FOR OPTIMUM ACCESS. IF INSIDE FLOOR IS HIGHER OR LOWER THAN OUTSIDE, DIMENSION FOR LOCATING WALL OPENING WILL HAVE TO BE ADJUSTED ACCORDINGLY OR OPTIMUM ACCESS REQUIREMENTS WILL NOT BE MET.

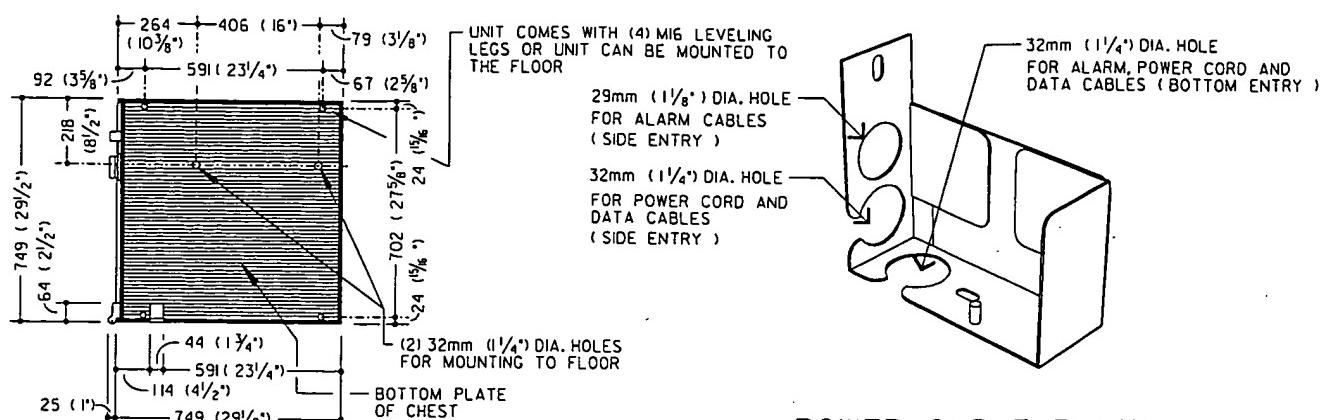
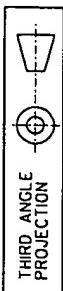
EXTERIOR ELEVATION

203 (8") MAX. WALL IN AREA OF UNIT
216 (8 1/2") MAX. HOLD
LOCATE WALL OPENING FROM INSIDE "FINISHED" FLOOR LEVEL

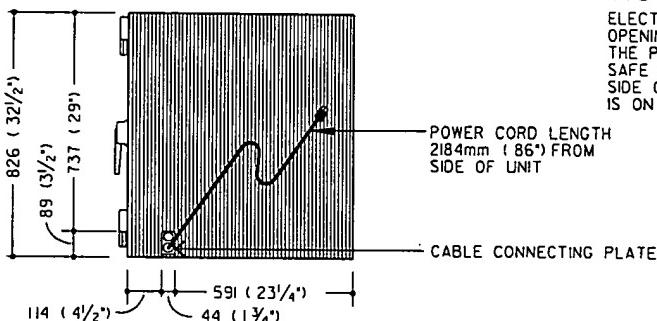
VERTICAL SECTION



DIMENSIONS IN MILLIMETRES
(DIMENSIONS IN INCHES)



PLAN VIEW



SIDE VIEW

POWER CABLE PLATE

NOTE:

ELECTRICAL AND DATA CABLING ENTERS THE ATM THROUGH A CABLE ENTRY OPENING ON THE SIDE OF THE SAFE. CABLES ENTERING THE ATM PASS THROUGH THE POWER CABLE PLATE WHICH IS ATTACHED TO THE INSIDE WALL OF THE SAFE OVER THE CABLE ENTRY OPENING. CABLING CAN ENTER FROM THE SIDE OR OPTIONAL FROM UNDER THE ATM. THE CABLE ENTRY OPENING IS ON THE RIGHT SIDE OF THE SAFE AS VIEWED FROM THE REAR OF THE ATM.

GENERAL SPECIFICATIONS

SIGNAL CABLE RUN CONSTRAINTS

THE FOLLOWING CHART ITEMIZES THE PHYSICAL SPACING REQUIREMENTS OF THE SIGNAL CABLE RUN WITH RESPECT TO OTHER POWER AND ELECTRICAL EQUIPMENT CABLE RUN.

TYPE OF ELECTRICAL RUN	POWER OF ELECTRICAL RUN		
	BELOW 2 KVA	2-5 KVA	ABOVE 5 KVA
FLUORESCENT, NEON OR INCANDESCENT LIGHTING FIXTURES	127mm (5")	127mm (5")	127mm (5")
UNSHIELDED POWER LINE OR ELECTRICAL EQUIPMENT	127mm (5")	305mm (12")	610mm (2'-0")
UNSHIELDED POWER LINES OR ELECTRICAL EQUIPMENT WITH SIGNAL CABLES ENCLOSED IN GROUNDED CONDUIT	64mm (2 1/2")	152mm (6")	305mm (12")
POWER LINES IN GROUNDED CONDUIT WITH SIGNAL CABLES IN GROUNDED CONDUIT	30mm (1 3/16")	76mm (3")	152mm (6")

SIGNAL CABLE INSTALLATION CONSTRAINTS

RELATIVE CARE IS REQUIRED WHEN INSTALLING SIGNAL CABLES IN CONDUITS. UNLIKE POWER AND LIGHTING CABLE, SIGNAL CABLES HAVE SMALL CONDUCTORS AND LIGHT INSULATION AND WILL NOT WITHSTAND AS MUCH STRAIN IN INSTALLATION. THE FOLLOWING CHART SUMMARIZES SOME COMMON CONDUIT PARAMETERS. THE SUM OF THE CROSS-SECTIONAL AREAS OF CABLES BEING INSTALLED IN CONDUIT SHOULD NOT EXCEED 40% OF THE AREA OF THE CONDUIT.

CONDUIT SIZE (INCHES)	INTERNAL DIAMETER (INCHES)	AREA-SQUARE INCHES			
		100%	40%	33%	25%
1/2"	.622	.30	.12	.099	.075
5/8"	.824	.53	.21	.175	.132
1"	1.049	.86	.34	.283	.215
1 1/4"	1.380	1.50	.60	.495	.375
1 1/2"	1.610	2.04	.81	.673	.510
2"	2.067	3.36	1.34	1.09	.840

FOR CONDUIT RUNS 15.25 METRES TO 30.5 METRES (50 TO 100 FEET), NOT MORE THAN 33% OF CONDUIT AREA SHOULD BE USED.

FOR CONDUIT RUNS OVER 30.5 METRES (100 FEET), NOT MORE THAN 25% OF CONDUIT AREA SHOULD BE USED. EACH 90° CONDUIT BEND MAY BE ESTIMATED AS EQUAL TO THE FRICTION OF A 9.15 METRES (30 FOOT) LENGTH STRAIGHT LEVEL CONDUIT. IF MORE THAN TWO 90° BENDS ARE USED IN CONDUIT RUN, INSERT A PULL BOX.

ELECTRO STATIC DISCHARGE

STATIC ELECTRICITY CHARGES ARE BUILT UP AS A RESULT OF CONTACT WITH CERTAIN FLOOR COVERINGS AND FURNITURE. A DISCHARGE OF THIS BUILD UP CAN CAUSE DISCOMFORT TO PEOPLE AND POSSIBLE INTERFERENCE WITH ELECTRONIC EQUIPMENT. THE FOLLOWING PRECAUTIONS SHOULD BE TAKEN WHENEVER POSSIBLE TO REDUCE THE CHANCE OF STATIC DISCHARGE PROBLEMS.

Avoid relative humidity values of less than 40%. Treat floor coverings around electronic equipment with static reducing agents commercially available.

EXTERNAL CABLING

Please refer to the appropriate ATM LITHO for details for terminal cable access. Junction boxes, conduit, etc., are the responsibility of the customer. Local codes will dictate location and materials to be used in electrical connections.

NEGATIVE PRESSURE CONSTRAINTS

To prevent cold weather operating problems due to induction of outside air and accompanying incursion of dirt, ATM should be housed in a positive pressure environment. However, negative pressure (vacuum) not exceeding (.05') H₂O is acceptable. Tall buildings are especially prone to having negative pressure values greater than (.05'). Special engineering will be required if this specified negative pressure is exceeded.